

# Decision Support Tool Catalog and Community of Practice

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# Agenda

- Motivation
  - Goals
  - Benefits
- Technology
- Tool Catalog and tool description
- Forums
- Conclusions

# Motivation

- Many tools related to energy projects
  - Lack of transparency of tools and underlying data
  - Open questions about interoperability between tools
- Absence of a central place to discuss issues about these tools



# Goals

- Provide a dynamic catalog of decision tools and their main features
- Establishing a community of practice involving developers, stakeholders, etc.

# Benefits

- Clarify underlying tool architecture and data for decision makers
- Identify potential interoperability among tools
- Help decision makers which tool they can use
- Engage developers, users and stakeholders in a community

# Technology

- Drupal
  - Open source CMS, extensible via modules
  - Used from personal blog to corporate website
  - Ex: <http://whitehouse.gov>, <http://ubuntu.com>)
- Solr
  - Open source search platform
  - Along with Drupal, provides faceted search



# Users

- **Anonymous**

- Can access tool catalog

- **Registered users**

- Can access tool catalog and forums

- **Developers**

- Can access tool catalog and edit tools and forums

- **Administrators**

- Can access and edit everything

# Tool Catalog

Keyword search

Q

Filter by tags:

- planning (4)
- california (3)
- conservation (3)
- environment (3)
- wind energy (3)

Show more

Filter by organization:

- California Department of Fish and Game (2)
- Kansas Biological Survey (2)
- Nature Serve (2)

Show more

Filter by license:

- All rights reserved (2)

Home

Enter terms

Q

Search results

Arizona Habimap

<http://habimap.org/> Arizona Game and Fish Department arizona To explore wildlife distribution throughout the state and maximize the return on conservation efforts . All rights reserved 0 No votes yet ...

admin - 12/28/2012 - 09:06

AWWI Landscape Assessment Tool

<http://wind.tnc.org/awwi> American Wind Wildlife Institute The Nature Conservancy wind energy environment Natural Resources wildlife GIS Maps The LAT is intended for the landscape-level screening of potential wind energy project sites consistent with a Tie ...

admin - 11/27/2012 - 02:07

California Areas of Conservation Emphasis (ACE)

<http://www.dfg.ca.gov/biogeodata/ace> California Department of Fish and Game california To compile and analyze spatial information on species, habitats, and recreational needs and opportunities, and integrate these data into a model to identify areas of co ...



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#### AWWI Landscape Assessment Tool

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# Tool description

A tool is described by a set of attributes

- Tags
- Ecosystem parameters
- Type of Data
- Functionalities
- Metadata
- Geographical coverage
- Input/output
- Others

## AWWI Landscape Assessment Tool

**URL:** <http://wind.tnc.org/awwi>

**Organization:** [American Wind Wildlife Institute](#)  
[The Nature Conservancy](#)

Tags: [wind energy](#) [environment](#) [Natural Resources](#) [wildlife](#) [GIS Maps](#)

### Intended purpose:

The LAT is intended for the landscape-level screening of potential wind energy with a Tier 1 assessment as described in the Land-Based Wind Energy Guidelines by the U.S. Fish and Wildlife Service. An LAT search can indicate what type of the area under consideration, or it can display the estimated distribution of a The LAT can help developers identify the type of specific studies needed for f

Potential tool users: [academic](#) [consultant](#) [government agency](#) [NGO \(Environmental/Conservation\)](#) [Wind Project Developer](#)

Geographic Coverage: [National](#) [State](#)

### Data layers:

Over 700 Data Layers including USGS-developed Species Distribution Models for Birds, Fish, Invertebrates, Mammals, and Reptiles, 225 Critical Habitat Layer Data, Protected Areas Database, Disturbance Data, 80-m and 50-m wind resource data layers include Wind Resource, Disturbance, and Land Ownership la

Ecosystem-level Parameters: [Flora/Fauna \[Species presence/absence\]](#) [Land-Use](#)

Species Information: [Distribution \(Breeding, Nesting, Roosting, Feeding, Resting\)](#) [Migration D](#)

Energy Resource Mapping:

[Solar Potential and Existing Development](#) [Wind Potential and Existing Development](#)

Type of data: [Spectral](#) [Spatial](#)

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# Forums

- Tools forums
  - One per tool
  - Discussion about a specific tool, questions, releases.
- General forum
  - Discussion involving several tools, new tools not included yet and other questions

## Tools Forums

### User Questionnaire






Please see the [user questionnaire](#) when submitting a new feedback on a decision tool.

### Developers

Please see the [request for information](#) about your tool.

If you want to add a new tool, please [fill the form](#) requesting a permission.

## Tools Forums

	Forum	Topics	Posts
	<a href="#">Regional Transmission Expansion Planning Process</a>	0	0
	<a href="#">Renewable Energy And Defense Geospatial Database (READ-Database)</a>	0	0
	<a href="#">Southern Great Plains Crucial Habitat Assessment Tool (SGP CHAT)</a>	0	0
	<a href="#">Western Regional Partnership Web Mapping Application</a>	0	0
	<a href="#">Wyoming Interagency Spatial Database &amp; Online Management System (WISDOM)</a>	1	2
	<a href="#">Wyoming Interagency Spatial Database &amp; Online Management System (WISDOM)</a>	1	5
	<a href="#">Western Regional Partnership Web Mapping Application</a>	0	0



# Notifications

- Users
  - Can subscribe to any forum thread or tool
- Developers
  - Subscribed to their own tool and forum by default

**example of notifications should occur by p**

Emails should be sent to notify about this new th

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additional options for active subscriptions.

Save

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# Future work

- Add more details about tools
- Promote DSTCCP among developers and stakeholders
- Get feedback from users for next iteration